

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/079000 A1

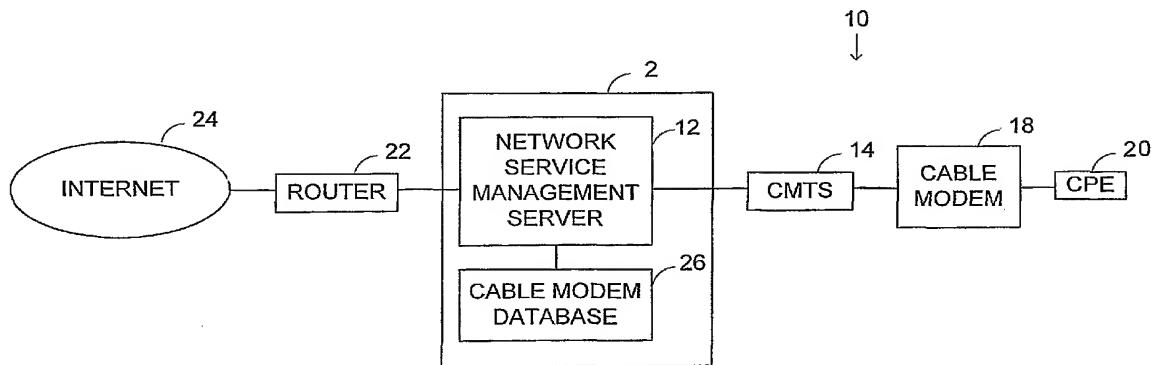
- (51) International Patent Classification⁷: **H04L 12/24**, 12/12
- (74) Agents: WADA, Ikuko et al.; Gowling Lafleur Henderson LLP, Suite 2600, 160 Elgin Street, Ottawa, Ontario K1P 1C3 (CA).
- (21) International Application Number: PCT/CA2005/000123
- (22) International Filing Date: 2 February 2005 (02.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2,457,368 11 February 2004 (11.02.2004) CA
- (71) Applicant (for all designated States except US): SOLUTIONINC LIMITED [CA/CA]; 1969 Upper Water Street, Suite 2004, Halifax, Nova Scotia B3J 3R7 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SMALL, Keith, Macpherson [CA/CA]; 81 Joyce Court, Lake Echo, Nova Scotia B3E 1A8 (CA). SWAIN, Stephen, Charles, Henry [CA/CA]; #1903-2074 Robie St., Halifax, Nova Scotia B3K 5L3 (CA). MILNE, Andrew, Craig [CA/CA]; 6 Cumberland Way, Windsor Junction, Nova Scotia B2T 1H4 (CA). CURRIE, James, Randolph [CA/CA]; 373 Waverly Road, Dartmouth, Nova Scotia B2X 2E7 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A SERVER, SYSTEM AND METHOD FOR PROVIDING ACCESS TO A PUBLIC NETWORK THROUGH AN INTERNAL NETWORK OF A MULTI-SYSTEM OPERATOR



WO 2005/079000 A1

(57) **Abstract:** A network service management server is provided for an internal network operated by a multi-system operator, at a selected location of the internal network, such as a network head-end. The server registers a client connecting to one of the network entities. It also assigns to the client an address associated with the one of the network entities to which the client is connected. The server manages network services by handling information relating to network services for the client based on the assigned address. The server can handle network services for the client based solely on the clients assigned IP address.